SPECTRUM®

ETWMIM
Management Module Guide

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The Complete Networking Solution™

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Printed in the United States of America.

Order Number: 9030941 E5

Cabletron Systems, Inc.
P.O. Box 5005
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Preface

Use this guide if you are going to manage an ETWMIM through SPECTRUM. Before reading this guide, you should be familiar with SPECTRUM's functions as described in the Operation documentation and the Administration documentation.

What is in this Guide

The following chapter descriptions outline the organization of the *ETWMIM Management Module Guide.*

Chapter	Description
Chapter 1 Introduction	Describes the ETWMIM management module and model types.
Chapter 2 Device View	Describes the Device View's representation of an ETWMIM, as well as the views available from the Device Menu.
Chapter 3 Configuration Views	Describes the Configuration Views available for the ETWMIM which provide network management information for the device.
Chapter 4 Events and Alarms	Contains a listing and explanation of the alarm/event messages generated in hte Event Log or Alarm View for the ETWMIM management module.
Chapter 5 Application View	Describes the Application View for the ETWMIM management module and the major and minor application information provided by the view.

Conventions

In this manual, the following conventions are used:

- Command names are printed in bold; for example, **Clear** or **Save & Close**.
- Menu selections to access a view are printed in bold; for example, **Configuration** or **Detail**.
- Buttons are represented by a shadowed box; for example,

Help

- Book and Chapter titles are in *Italics;* for example, *GIB Editor Guide*.

Related SPECTRUM Documentation

When using this guide, you should have a clear understanding of SPECTRUM functionality and navigation techniques as described in the Administration documentation, the Operation documentation, and the following documentation:

SPECTRUM Report Generator User's Guide

Getting Started with SPECTRUM for Operators

Getting Started with SPECTRUM for Administrators

How to Manage Your Network with SPECTRUM

Other Related Documentation

Refer to the following documentation for more information on managing TCP/IP-based networks:

LAN Troubleshooting Handbook, Mark Miller (1989, M&T Publishing, Inc.)

The Simple Book — An Introduction to Management of TCP/IP-based Internets, Marshall T. Rose, Performance Systems International, Inc.

Computer Networks, Andrew S. Tanenbaum, Prentice-Hall, Inc.

Local Area Networks, Architectures and Implementations, James Martin & Kathleen K. Chapman for the Arben Group, Inc. (1989, Prentice-Hall, Inc.)

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spectrum-techdocs@ctron.com

Chapter 1

Introduction

What is in this Chapter

This chapter describes the SPECTRUM Management Module for the ETWMIM. It also provides the model type names assigned to the ETWMIM in SPECTRUM. The model type name refers to the template used to specify attributes, actions, and associations for device models in SPECTRUM.

ETWMIM Management Module

The ETWMIM Management Module manages ETWMIM devices using the SNMP network management agent and the Management Information Bases (MIBs), included with the management module.

ETWMIM Applications

The ETWMIM supports both common and device-specific applications. Common applications are described in the *Bridging Applications Reference*, the *MIB II Applications Reference*, and the *Miscellaneous Applications Reference* and are as follows:

- Bridging (CSIBridge)
  - Spanning Tree (Ct_Stp_App)
  - Transparent (Transparnt_App)
  - Ethernet Special Database (Ct_BdgEnet_App)
  - Static (Static_App)
  - PPP
  - Source Routing
- MIB-II (SNMP2_Agent)
  - IP (IP2_App)
  - System (System2_App)
  - ICMP (ICMP_App)
  - UDP (UDP2_App)
- DownLoad App (CtDownLoadApp)
- PPP Application
- DS1
- RS232

The ETWMIM supports two device-specific application. These applications are described in Chapter 5, *Application View*, and are as follows:

- Token Ring Application (TokenRingApp)
- Token Ring IF Application (TokenRingIfApp)
- Token Ring Special Database (CT_BdgTR_App)

RMON and DLM are also supported and SPECTRUM management of these MIBs may be purchased separately. Refer to the documentation provided with the RMON and DLM management modules for descriptions of these capabilities. The following chapters explain how to use SPECTRUM and the management module software to monitor and manage an ETWMIM.

Chapter 2

Device View

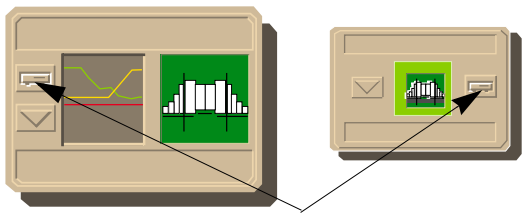
What is in this Chapter

The Device View for the ETWMIM allows you to view the logical representations of the ETWMIM device and ports. The Device View also provides you with menu bar access to views that monitor and control the ETWMIM's bridge performance and its ports.

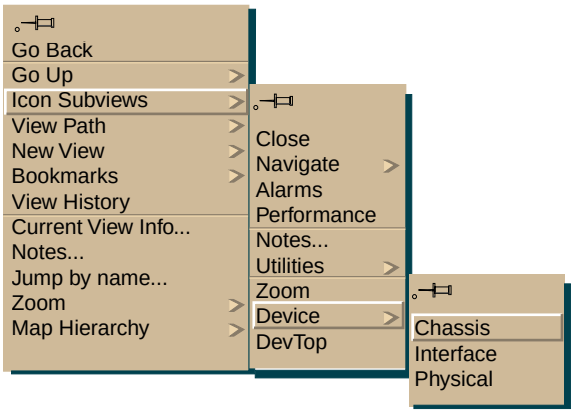
Accessing the Device Views

Access the Device Views using one of the following methods.

- Double-click on the Device view button of the ETWMIM device icon. This will open the Device view that was opened last (i.e. Chassis, Interface or Physical).



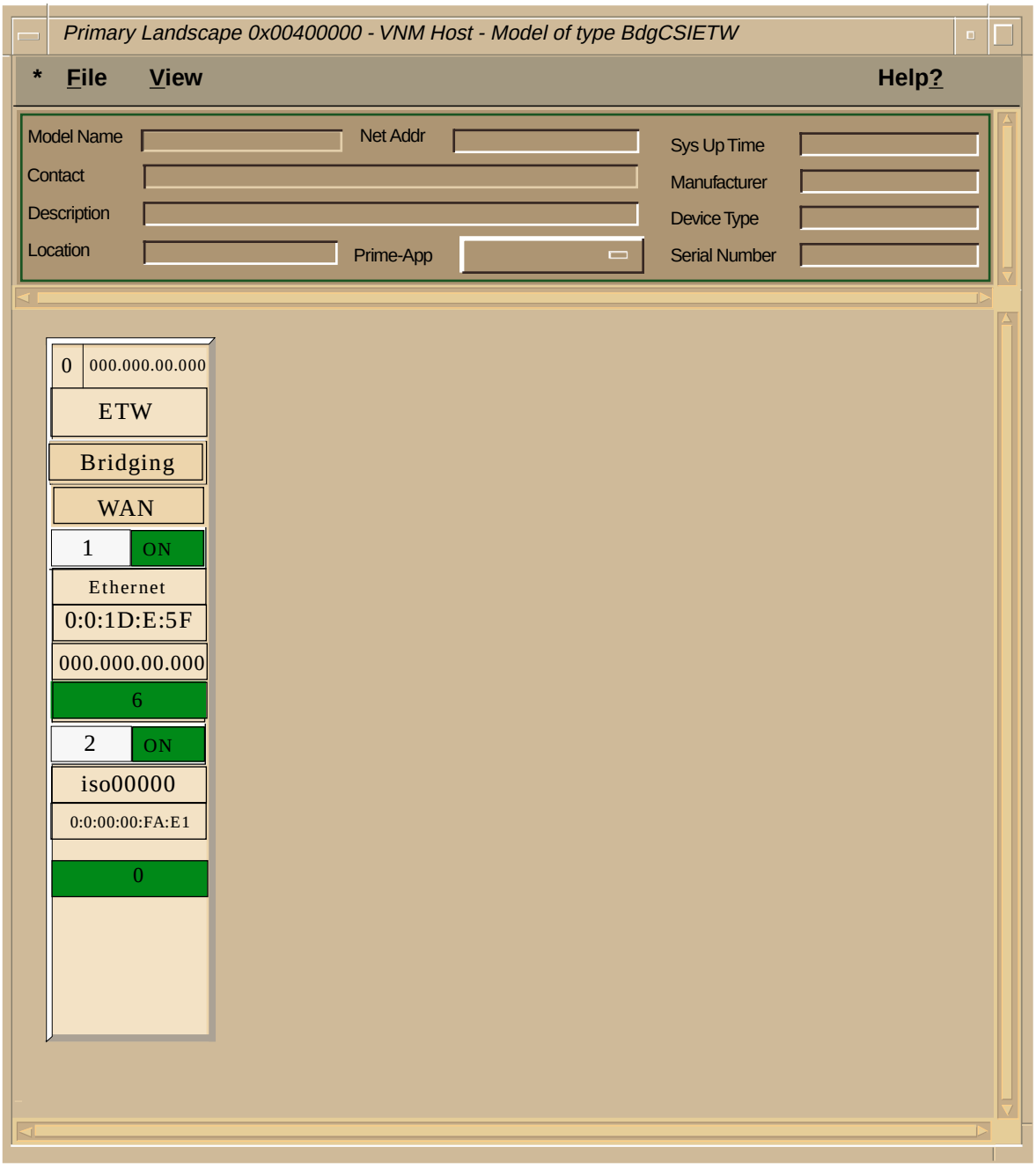
- Highlight the ETWMIM device icon and select Device->Chassis, Device->Interface or Device->Physical from the Icon Subviews menu.



Chassis Device View

The Chassis Device view gives an actual dynamic representation of the ETWMIM device. This view provides access to detailed information about the chassis, each module, the applications and the ports. Figure 2-1 provides an example of an ETWMIM Chassis Device view.

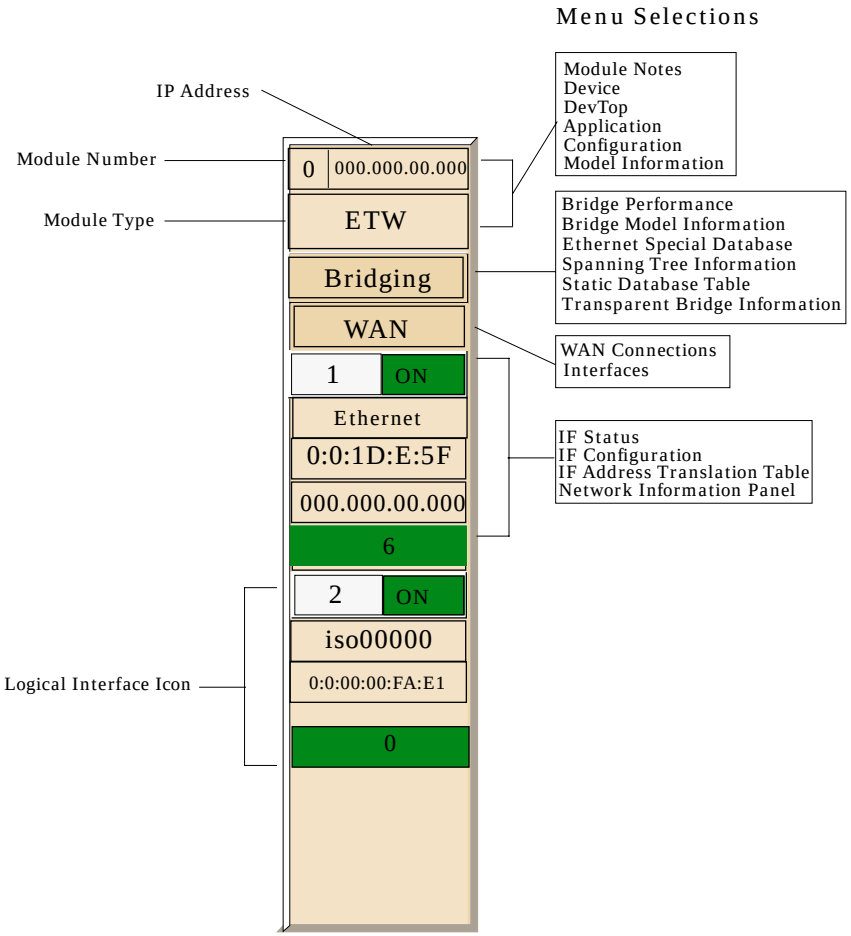
Figure 2-1. ETWMIM Chassis Device View



Logical Module

The Logical Module icon provides double-click zones that open detailed SPECTRUM views. Single-clicking on these zones opens the menu selections described in Figure 2-2.

Figure 2-2. Logical Module Icon

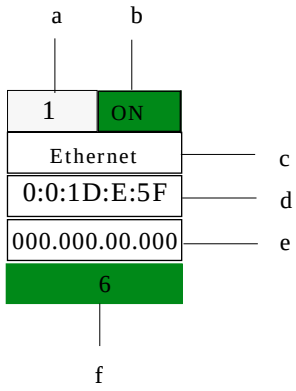


Logical Interface Icon

A Logical Interface icon represents each port on the ETWMIM. Views that provide additional information for the interface can be accessed by highlighting the icon and selecting Icon Subviews from the View menu or double-clicking on the icon's zones. The Logical Interface icon consists of six zones, providing configuration and performance information. Figure 2-3

provides a detailed illustration of the Logical Interface icon and the following sections detail each icon zone.

Figure 2-3. Logical Interface Icon



a. Device Topology View Label/Interface Number

b. IF Status View Label

c. IF Configuration View Label/Interface Type

d. IF Address Translation Table Label/Physical Address

e. Network Information Panel Label/IP Address

f. Performance View Label/Logical Gauge

Device Topology View Label/Interface Number

Double-clicking on this zone of the Logical Interface icon accesses the ETWMIM's Device Topology (DevTop) View. The zone also displays the interface number.

IF Status View Label

The IF Status View label displays a text label and an appropriate background color to represent the current status of the interface. Table 2-1 shows the possible interface statuses and their respective colors.

Table 2-1. Interface Status Label Definitions

Operational Status	Administrative Status	Text Display	Color
ON	ON	ON	Green
OFF	OFF	OFF	Blue
OFF	ON	OFF	Yellow
Testing	Testing	Test	Red

Double-clicking on this IF Status View label accesses the Interface Status View which provides the following information on the status of the interface:

Operational Status
A read-only indicator displaying the current operational state of the interface (ON, OFF, or Testing).

Administrative Status
The desired operational state of the interface (ON, OFF, or Testing).

IF Configuration View Label/Interface Type

The IF Configuration View label displays the type of ETWMIM interface. Double-clicking on the IF Configuration View label accesses the Interface Configuration View, which provides the following information:

Operation Status
The current operational state of the interface (On, Off, or Testing).

Admin. Status
The desired operational state of the interface (On, Off, or Testing).

Last Change
The System UpTime value when the interface entered its current operational state.

Network Name/Address
This window provides a list of the user-defined names and IP addresses for the interface.

Physical Address
This field displays the Ethernet (MAC) address of the port.

Bandwidth
This field displays the estimated bandwidth of the interface measured in bits per second. For interfaces that do not vary in bandwidth or for which no accurate estimate can be made, a nominal bandwidth is provided.

Packet Size
This field displays the largest packet that can be transmitted or received by the port measured in octets.

Queue Length
This field displays the length of the outbound packet queue in packets.

IF Address Translation Table Label/Physical Address

The IF Address Translation Table Label displays the physical address of the ETWMIM interface. Double-clicking on the IF Address Translation Table Label accesses the Interface Address Translation Table. This table cross-references device IP addresses to device MAC (Ethernet) addresses for selected nodes between networks. Double-clicking on any column entry opens an address-specific Address Translation Table Information View, which provides the same information as the IF Address Translation Table, but allows you to modify field values.

Interface Index
The number uniquely identifying the interface.

Physical Address
The physical address for the node.

Network Address
The IP address for the node.

Network Information Panel Label

Double-clicking on this zone of the Logical Interface Icon accesses the Network Information Panel. This panel provides Name, Network Address, and Subnet Mask information for the interface. Any of the network information entries from this panel can be displayed on zone (f) of the Logical Interface Icon. Refer to the Interface Options Panel section of this chapter for more information.

Performance View Label/Logical Gauge

Double-clicking on this zone of the Logical Interface Icon accesses the Performance view for the interface. This area is also a Logical Gauge which is described in the next section. The Performance View provides routing information for this interface. The view summarizes traffic flow in packets.

Interface Device View

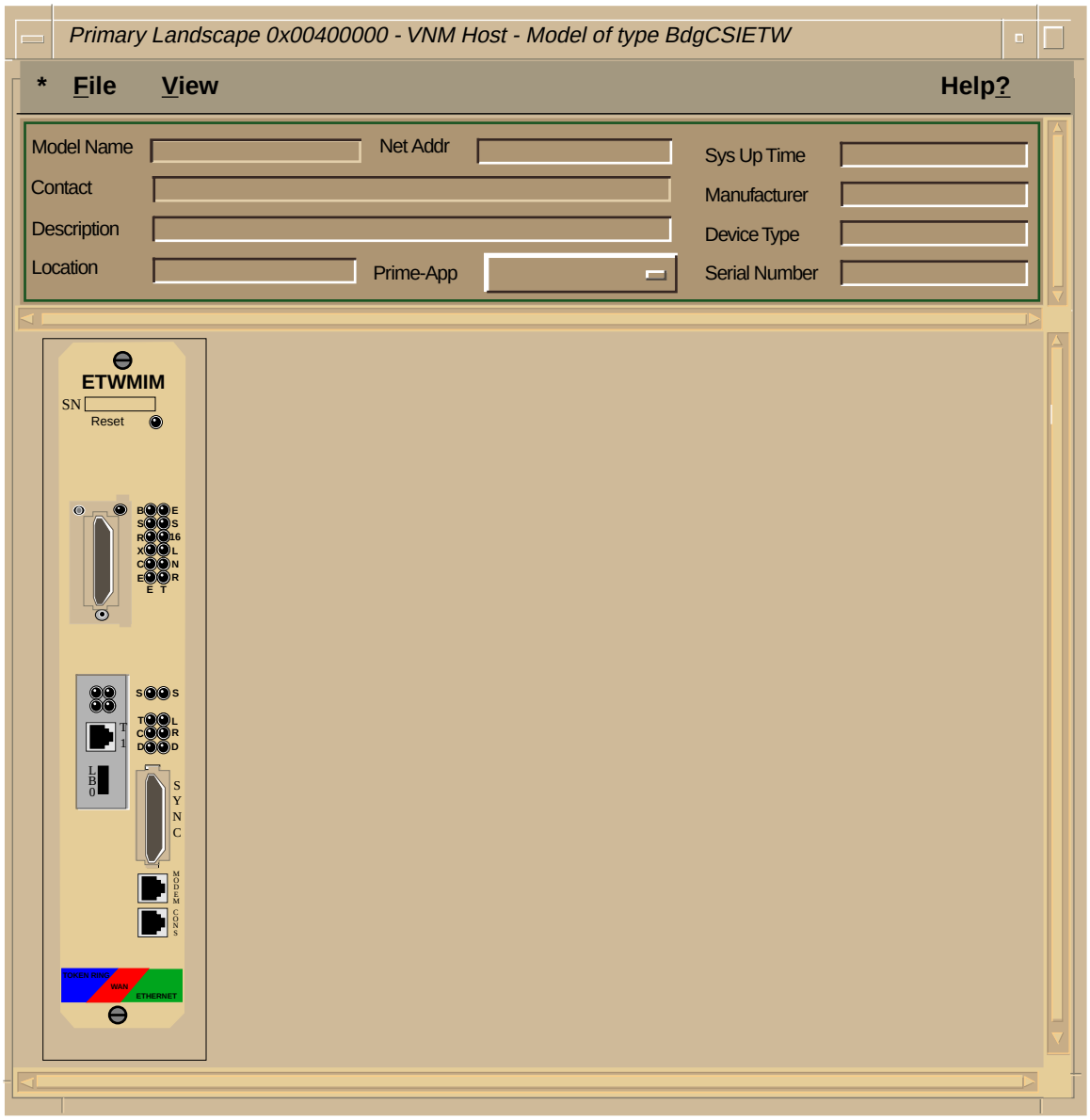
Access the Interface Device view using one of the methods described in the beginning of this chapter. Figure 2-4 provides an example of an ETWMIM Interface Device view. For Interface Icon information, refer to the previous section.

Figure 2-4. ETWMIM Interface Device View

Physical Device View

To access the Physical Device view, use one of the methods described in the beginning of this chapter. Figure 2-5 provides an example of the Physical Device view.

Figure 2-5. ETWMIM Physical Device View



Chapter 3

Configuration Views

What is in this Chapter

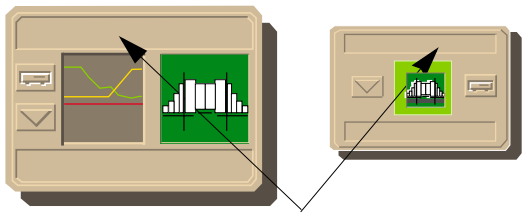
This chapter provides general descriptions of the Configuration views that are available for the ETWMIM. These views allow you to access device-specific configuration information. The ETWMIM model type supports the following configuration views:

- Device Configuration Views
- Interface Configuration View

Accessing the Device Configuration View

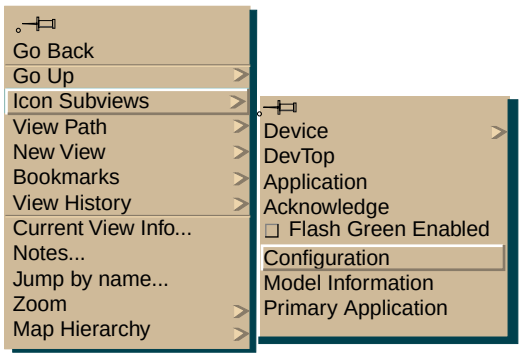
Access the Device View using one of the following methods:

- Double-click on the Device Configuration view label of the ETWMIM device icon.



Device Configuration View Label

- Highlight the ETWMIM device icon and select Configuration.



ETWMIM Device Configuration View

The Device Configuration View provides information on the configuration of the ETWMIM and allows you to modify the values of some fields. This view provides the following information:

Device Name
This field displays the name of the device.

Firmware Revision
This field displays the firmware revision for the device being modeled.

Ethernet Connection
This field displays the location of the Ethernet connection (channel A or EPIM).

Contact Status
This field indicates if a connection with the device has been established.

Hardware Revision
This field displays the hardware revision for the device being modeled.

T1 SRM
This field indicates if there is a T1 daughter board attached and being managed by the ETWMIM.

NVRAM

This button, if selected, will reset the NVRAM to default values the next time the ETWMIM is rebooted.

Interface Configuration Table

The Interface Configuration Table provides the following port configuration information for each of the ETWMIM's ports.

Index
This field displays the interface port number.

Description
This field displays a textual description of the interface including the name of the manufacturer and the product name.

Type
This field displays the type of hardware interface for the port. Possible interface types and a brief description of each type are shown in Table 3-1.

Table 3-1. ETWMIM Interface Types

Interface Type	Description
ethernet-csmacd	Ethernet CSMA/CD
iso88025-tokenRing	ISO Token Ring
ds1	T1 Link (USA and Japan)
ppp	Point to Point Protocol

Bandwidth
This field displays the estimated bandwidth of the interface measured in bits per second. For interfaces that do not vary in bandwidth or for which no accurate estimate can be made, a nominal bandwidth is provided.

Physical Address
This field displays the Ethernet (MAC) address of the port.

Operation Status
This field displays the current operational state of the port (UP, DOWN, or TESTING).

Admin Status
This field displays the desired operational state of the port (UP, DOWN, or TESTING).

Last Change
This field displays the System Up Time value when the port entered its current operational state.

Queue Length
This field displays the length of the outbound packet queue in packets.

Packet Size
This field displays the largest packet that can be transmitted or received by the port measured in octets.

Interface Configuration View

The Interface Configuration view provides information on the interface configuration of the ETWMIM and allows you to modify the values of some fields. Access the Interface Configuration view by clicking on an interface icon in the Device view with the right mouse button, and selecting IF Configuration from the Icon Subviews menu. For information on what this view contains, refer to Chapter 2, *Device View*.

Chapter 4

Event and Alarm Messages

What is in this Chapter

This chapter describes the types of events and alarms generated by the ETWMIM and any probable cause messages corresponding to these alarms.

ETWMIM Events and Alarms

This table describes the event messages appearing in the Event Log, and any corresponding probable cause messages that may be displayed in the Enterprise Alarm Manager for the ETWMIM.

Table 4-1. ETWMIM Events and Alarms

Event Message	Probable Cause Message
CsEvFormat/Event00010203 {d "%w- %d %m-, %Y - %T"} - The model created is not the same type as the device. Model type = {t}, Name = {m}, User = {u}. (event [{e}])	CsPCause/Prob00010203 The model created is not the same type as the device.
CsEvFormat/Event00010306 {d "%w- %d %m-, %Y - %T"} - A(n) {t} device, named {m}, has been cold started. (event [{e}])	No probable cause message.

Event Message	Probable Cause Message
CsEvFormat/Event00010307 {d "%w- %d %m-, %Y - %T"} - A(n) {t} device, named {m} has been warm started. (event [{e}])	No probable cause message.
CsEvFormat/Event00010308 {d "%w- %d %m-, %Y - %T"} - A(n) {t} device, named {m}, has detected a communication Link Down. (event [{e}])	CsPCause/Prob00010308 Communication link is down.
CsEvFormat/Event00010309 {d "%w- %d %m-, %Y - %T"} - A(n) {t} device, named {m}, has detected a communication Link Up. (event [{e}])	No probable cause message.
CsEvFormat/Event0001030a {d "%w- %d %m-, %Y - %T"} - A(n) {t} device, named {m}, has detected an Authentication Failure. (event [{e}])	CsPCause/Prob0001030a Authorization failure. Other user is trying to connect to device with an invalid community string.
CsEvFormat/Event0001030b {d "%w- %d %m-, %Y - %T"} - A(n) {t} device, named {m}, has detected an EGP Neighbor Loss. EGP Neighbor IP address is {0 1}. (event [{e}])	CsPCause/Prob0001030b Lost contact with EGP neighbor.
CsEvFormat/Event00010401 {d "%w- %d %m-, %Y - %T"} - Device {m} of type {t} is created with an IP address already used by another model. (event [{e}])	CsPCause/Prob00010401 DUPLICATE IP ADDRESS The model has the same IP address as that of some other model.
CsEvFormat/Event00010402 {d "%w- %d %m-, %Y - %T"} - Device {m} of type {t} is created with a physical (Mac) address already used by another model. (event [{e}])	CsPCause/Prob00010402 DUPLICATE PHYSICAL ADDRESS The model has the same Physical address (Mac address) as that of some other model.

Chapter 5

Application View

What is in this Chapter

This chapter describes the application-specific views available for the ETWMIM Management Module. The ETWMIM Application view provides buttons that allow you to access increasingly detailed views of network information, and table entries within views that provide you with double-click zones that navigate to the following device-specific information views:

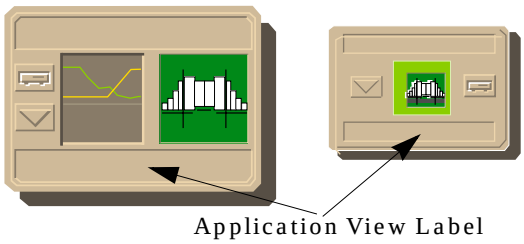
- Token Ring Application (TokenRingApp)
- Token Ring IF Application (TokenRingIfApp)
- Token Ring Special Database (CT_BdgTR_App)

Each application supported by the ETWMIM being modeled appears in the Application view as an application-specific icon (Icon Mode) as shown in Figure 5-1, or text label (List Mode) as shown in Figure 5-2.

Accessing the Application Views

Access the Application Views using one of the following methods:

- Double-click on the Application View label of the device icon.



- Highlight the device icon and select Application from the Icon Subviews menu.

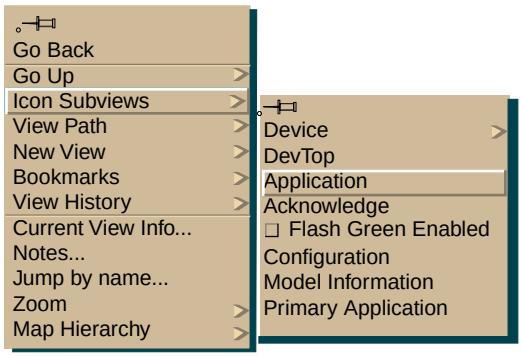


Figure 5-1. ETWMIM Application View (Icon Mode)

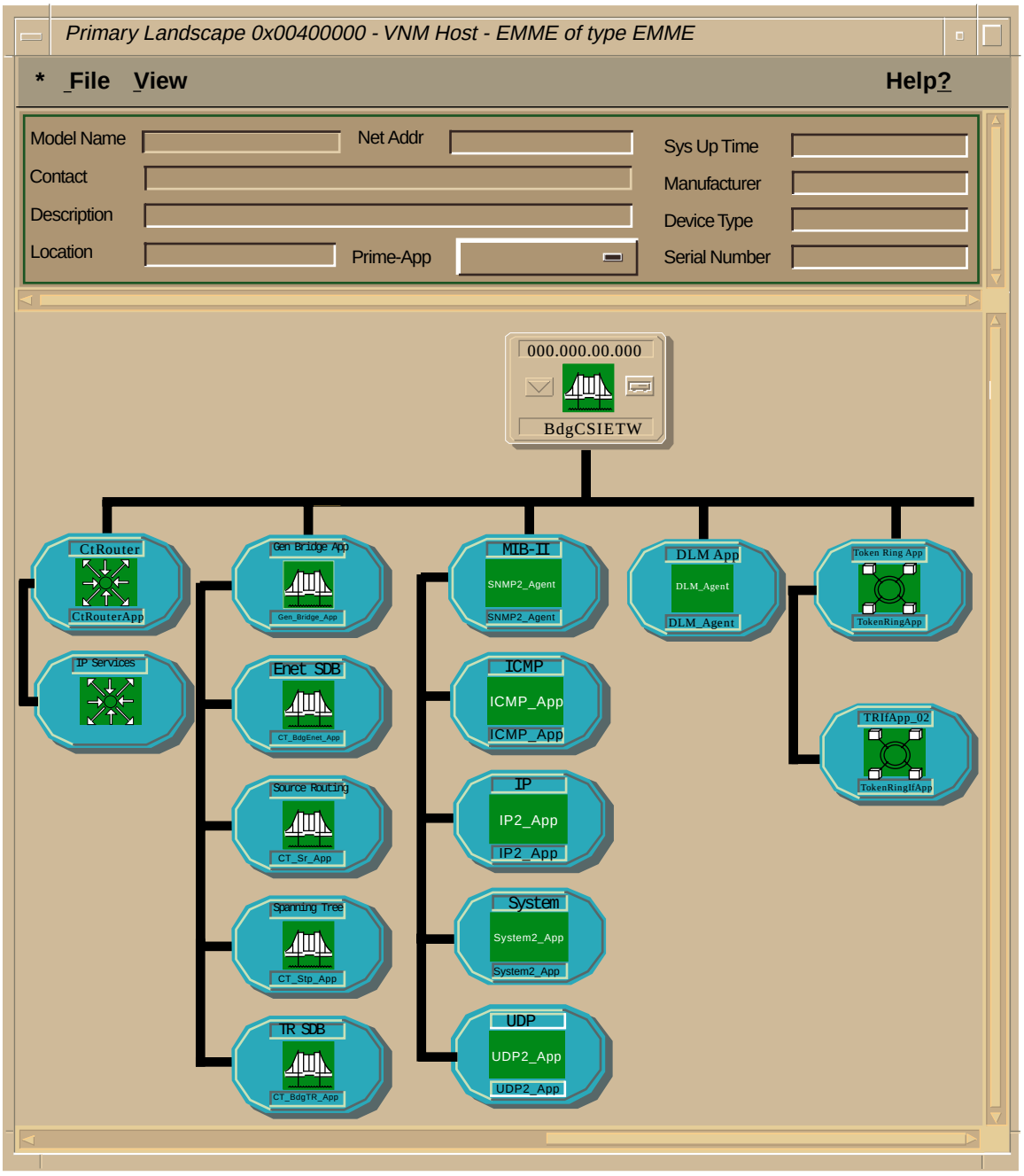
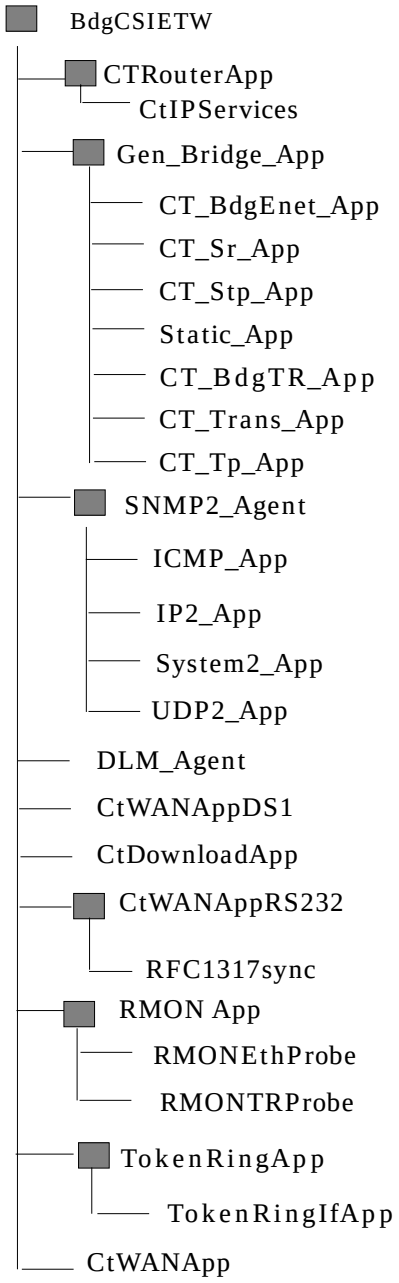


Figure 5-2. ETWMIM Application View (List Mode)



Token Ring Application

One application specific subview is available for the Token Ring application. You can access the Token Ring Detail view from the TokenRingApp Icon (Icon Mode) or the Token Ring App text label (List Mode) Icon Subviews menu.

Token Ring Detail View

This view provides a banner and the following information:

Transmitted Beacon Count
The number of times this interface has transmitted a beacon frame.

Remove Ring Station Count
The number of times the interface has received a Remove Ring Station MAC frame request.

Single Station Count
The number of times the interface has detected that it is the only station on the ring.

Soft Error Count
The number of soft errors the interface has detected.

Hard Error Count
The number of times the interface has detected an immediately recoverable fatal error.

This view also provides three color-coded pie charts presenting a breakdown of Token Ring application statistics. Each statistic is presented as a total amount since the ETWMIM was initialized and as a percentage of overall traffic. You can access this view by selecting Detail from the Icon Subviews menu or through the Detail View button in the Token Ring Performance View. Three buttons at the bottom of each pie chart select the way in which the data is represented (Total, Delta, and Accum). Another button, Clear, works in conjunction with the Accum button. For more information on these buttons refer to the *SPECTRUM GIB Editor Guide*. Table 5-1 through Table 5-3 provide information on the statistics displayed by each chart.

Table 5-1. Isolating Soft Errors Breakdown Pie Chart

Statistic	Definition
Line	The number of frames copied or repeated by a station.
Burst	The number of times a station detects the absence of transitions for five half-bit timers.
A/C	The number of times a station has incorrectly set the AC bit.

Table 5-2. Non-Isolating Soft Errors Breakdown Pie Chart

Statistic	Definition
Lost Frames	The number of times a station has had its TRR timer expire while trying to transmit.
Congestions	The number of times a station recognizes a frame addressed to it, but has no available buffer space.
Frame Copied	The number of times a station recognizes a frame addressed to it, and detects that the FS field A bits are set to 1.
Recoveries	The number of Claim Token MAC frames received or transmitted after the ring has received a Ring Purge MAC frame.
Token	The number of times the station acting as active monitor recognizes an error condition requiring a token be transmitted.

Table 5-3. Hard Errors Breakdown Pie Chart

Statistic	Definition
Abort Trans	The number of times the station transmits an abort delimiter while transmitting.
Internal	The number of times the station recognizes an internal error.
Signal Loss	The number of times the interface has detected the loss of signal condition from the ring.
Lobe Wire	The number of times the interface has detected an open or short circuit in the lobe data path.
Frequency	The number of times that the interface has detected that the frequency of the incoming signal differs from the expected frequency by more than the specified standard.

Token Ring IF Application

Three application specific subviews are available for the Token Ring IF application. You can access the Token Ring Performance, Token Ring Configuration, and Token Ring Detail views from the TokenRingIfApp Icon (Icon Mode) or the TokenRingIFApp text label (List Mode) Icon Subviews menu.

Token Ring IF Performance View

The Token Ring IF Performance View is similar to the Generic Bridging Performance View described earlier in this chapter, with the Detail View button accessing the Token Ring Detail View. This Detail View is the same view that you can access through the Detail menu option, and is described in that section. Table 5-4 provides the color definitions for the statistics displayed by the multi-attribute line graph. For more information on the Token Ring Performance View refer to the *SPECTRUM Views Reference*.

Table 5-4. Token Ring Performance Statistic Color Definitions

Statistic	Color
Load	Green
Frame Rate	Blue
Error Rate	Orange

Token Ring IF Configuration View

The Token Ring IF Configuration View provides a banner and the following information:

Commands

This button allows you to send commands to the ETWMIM. Table 5-5 provides descriptions of the possible commands and functions.

Ring Speed

This button allows you to configure the ETWMIM with the bandwidth of the ring.

Active Monitor Process

This button allows you to configure the ETWMIM as an Active Monitor to participate in the active monitor bid on the Token Ring network, or disable active monitor participation. Possible values are Participate and DoNotParticipate.

Functional Address Bitmask
This field displays the bit mask of all Token Ring functional addresses for which this interface will accept frames.

Ring State

This button displays the current interface state with respect to entering or leaving the ring.

Ring Open-Status

This button displays the success, or reason for failure, of the station's most recent attempt to enter the ring.

Up Stream Neighbor
This field displays the MAC address of the upstream neighbor station.

Ring Status
This area of the view provides a series of read-only indicator buttons displaying the current status of the network.

Table 5-5. ETWMIM Command Functions

Command	Definition
None	No command is sent to the ETWMIM. This is the default setting.
Open	Inserts the ETWMIM into the Token Ring network.
Reset	Resets the ETWMIM with all counters retaining their original state.
Close	Removes the ETWMIM from the Token Ring network.

Token Ring Detail View

This view is identical to the Token Ring Detail View described earlier in this section. For information about the fields or the pie charts in this view, refer to the section titled *Token Ring Detail View*.

Token Ring Special Database

One application-specific subview is available for the Token Ring Special Database application. The Token Ring Special Database allows you to filter packets through a bridge port using a filtering scheme. Filters established in

the Token Ring Special Database can be configured to filter on any part of a packet, except its header.

A filter is based on the:

- Information within a packet – Source Address, Destination Address, Token Ring Data Type, and Data (including the offset).
- Port designated as receiver port (where the packets are filtered).
- Bridging activity on the ETWMIM's bridge ports (e.g., forwarding/ filtering).

The Cabletron Bridge Token Ring Special Database Tables for the Token Ring Special Database application is accessed from the CT_BdgTR_App Icon Subviews menu. The Cabletron Bridge Token Ring Special Database Tables provide information about Token Ring Special Database filters, ports receiving packets, and ports having special filtered packets forwarded to them.

Within this view you can manipulate table entries, create filters, and delete filters. Click on the Update button to update information in either table.

To sort and find table entries by column heading, follow these steps:

1. Click on a column heading. The Sort and/or Find button(s) appear in the upper-left corner of the table.
2. Click on Sort to categorize the table according to the column heading. Click on Find to locate a specific entry.

Filter Information Table

The Filter Information Table displays the Token Ring Special Database filters. Double-clicking on any entry accesses the Special Database Filter View. The Special Database Filter View contains the same fields as the Filter Information Table for the chosen filter number, and allows you to modify the filters. The Filter Information Table provides the following information:

Filter
Displays the number of the filter. The possible range is from 1 to 19.

State
Indicates whether the filter is enabled or disabled.

Offset
Indicates the offset (in bytes, from the beginning of the data in the packet) where the Data Mask will be applied. The default for this field is 0000 (no data offset). An example of a valid offset to enter into this field is 0016.

DestinationAddress-SourceAddress-Type-PacketData Window
The four fields in this window designate what the filter is configured to search for in a packet. Table 5-6 provides a breakdown of these filter fields.

Table 5-6. Filter Field Definitions

Field	Definition
DestinationAddress	Displays a 6-byte hexadecimal field for the filter which can be used to mask out Token Ring Destination Addresses.
SourceAddress	Displays a 6-byte hexadecimal field for the filter which can be used to mask out Token Ring Source Addresses.
Type	Displays the Cabletron Bridge Token Ring Special Database Tables View hexadecimal 2-byte field for the filter which can be used to mask out a specified protocol type field. Examples of protocol type are: 0800 = TCP/IP, 8137 = Novell, 0bad = Banyan, 80f3 = AppletalkARP.
PacketDataWindow	Displays the hexadecimal 64-byte field, which can be used to mask out the packet information.

Filter-Receive Port-Ports To Be Forwarded To Window

You can access the Cabletron Bridge Token Ring Special Database Filter-To-Port Mapping View by double-clicking on any entry in the Filter Port-To-Port Table. This window provides the following information:

Filter
Specifies which of the nineteen filters is being referenced for the Filter-To-Port entry.

Receive Port
Refers to the port receiving the packets.

Ports To Be Forwarded To
Displays the ports to which packets that meet the filter requirements will be sent.

Total Token Ring Filters

This field displays the number of Token Ring filters in the database. Nineteen is the maximum number of Token Ring filters that can be created for use in the Token Ring Special Database.

If No Match

This field indicates what will occur if no packets match the filters established in the Token Ring Special Database. Valid values are: Forward, Filter, or SearchFDB.

Enter Filter.Receive Port

You should enter the Filter and Receive Ports you wish to modify into this field before pressing either of the two modification buttons below.

Create/View Filter-To-Port Entry

This button opens the Cabletron Bridge Token Ring Special Database Filter-To-Port Mapping View. This view allows you to modify the filter number, the port number, and the ports to which filter packets should be forwarded.

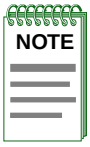
Delete Filter-To-Port Entry

This button opens the Cabletron Bridge Token Ring Special Database Delete Filter-To-Port Mapping View. This view allows you to delete a Filter-To-Port entry.

Configuring Token Ring Special Database Filters

To configure a filter for the Token Ring Special Database, follow these steps:

1. Click on the CT_BdgTR_App Icon with the middle mouse button and select Token Ring Special Database from the Icon Subviews menu to open the Token Ring Special Database Tables.
2. Double-click on an appropriate entry in the Filter Information Table. The Special Database Filter View opens.
3. Fill in the fields as appropriate to your needs.
4. Click on Apply for your modifications to take effect.
5. Exit the Special Database Filter View.
6. Click on Update to refresh the screen so that you can view the changes. (Click on Cancel to exit the Special Database Filter View without saving the changes.



To exit the Special Database Filter View without saving any changes you have made, click on Clear and then Cancel. Clicking on Cancel after selecting Apply will not prevent the changes from being saved, but will exit the view.

Directing Packets with Token Ring Special Database Filters

Once a filter is configured in the Token Ring Special Database, you will need to establish where the filtered packets will be forwarded to by creating Filter-To-Port entries that fit your needs.

To create Filter-To-Port entries, follow these steps:

1. Enter the Filter number and Port number on which you want to receive packets (in #.# format).
2. Choose the Save All Changes feature from the menu option under File or click the right mouse button.
3. Click on the Create/View Filter-To-Port Entry button. The Cabletron Bridge Token Ring Special Database Filter-To-Port Mapping View opens.
4. Click on the ports to receive appropriately filtered packets.
5. Choose the Save All Changes feature from the menu option under File or click on the right mouse button.

To delete a Filter-To-Port Entry, follow these steps:

1. Enter the Filter number and Port number for the Filter-To-Port Entry to be deleted (in #.# format).
2. Choose the Save All Changes feature from the menu option under File or click on the right mouse button.
3. Click on the Delete Filter-To-Port Entry button. The Cabletron Bridge Token Ring Special Database Delete Filter-To-Port Mapping View opens.
4. Click on the Delete Entry button.
5. Choose the Save All Changes feature from the menu option under File or click on the right mouse button.

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